



KENBOTONG COMMUNICATION LTD.

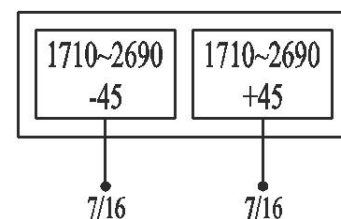
Multi-band Panel	1710~2690
Dual Polarization	X
Half-power Beam Width	65°
Fixed Electrical Downtilt	6°

XPo1 1710~2690MHz 65° 15dBi 6° Tilt

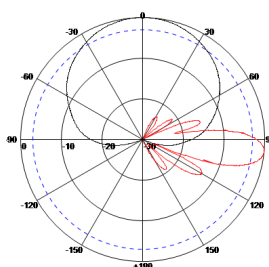
Electrical specifications	KBT65DP15-1727AT6			
Frequency range (MHz)	1710~1990	1920~2200	2200~2490	2490~2690
Polarization	$\pm 45^\circ$			
Gain (dBi)	2×14.5	2×15	2×15.5	2×15.5
Electrical Downtilt (°)	6			
Half-power beam width (°)	Horizontal:66 Vertical:14	Horizontal:65 Vertical:12	Horizontal:63 Vertical:10	Horizontal:62 Vertical:9
Sidelobe suppression for first sidelobe above main beam (dB)	≥ 15			
Front-to-back ratio (dB)	≥ 25			
Cross-polar discrimination (dB)	$\geq 15(\pm 60^\circ \geq 10)$			
Isolation (dB)	≥ 28			
Impedance (Ω)	50			
VSWR	≤ 1.5			
Intermodulation IM3 (2×43dBm carrier)	$\leq -150\text{dBc}$			
Maximum power (W)	300			
Lighting protection	DC Ground			



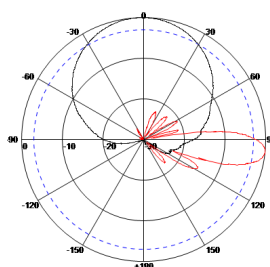
Mechanical specifications	
Connector	2×7/16DIN Female
Connector position	Bottom
Height/width/depth (mm)	660×160×80
Packing size (mm)	1050×270×170
Weight (kg)	6.3
Radome material	UPVC
Radome color	Gray
Mechanical tilt (°)	0~15
Operating temperature (°C)	-40~60
Rated wind velocity (m/s)	60
Suitable pole diameter (mm)	$\Phi 50 \sim \Phi 80$
Mounting kit	JM-1800CZ



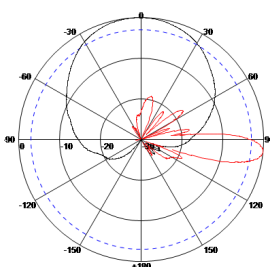
1710~1990MHz: $\pm 45^\circ$ Pol.



1920~2200MHz: $\pm 45^\circ$ Pol.



2200~2490MHz: $\pm 45^\circ$ Pol.



2490~2690MHz: $\pm 45^\circ$ Pol.

